SEQUENCE LISTING

<110> Institut Pasteur		
<120> METHODS OF INHIBITING HELICOBACTER PYLORI		
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<151> 1998-06-30		
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Met	Leu	ı Gly	Leu	Val	Leu	Leu	Tyr	. Val	. Glv	Ile	Val	Leu	T l e	Ser	Asn	
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			_										•			
GIY	Ile	Cys	Gly	Leu	Thr	Lys	Val	. Asp	Pro	Lys	Ser	Thr	Ala	Val	Met	
			20					25					30			
Δen	Dhe	Dhe	775.7	G3.v	C1.	T 0	0	. . .	- 1	_						
AGII	FIIC	35	· vai	GIY	Gly	Leu.	Ser 40		ııe	Cys	Asn		Val	Val	Ile	
			•				40					45				
Thr	Tyr	Ser	Ala	Leu	Asn	Pro	Thr	Ala	Pro	Va 1	Glu	Glaz	λ Ι ¬	G1.,	7.00	
	50					55				VUI	60	Gry	АТА	Gru	Asp	
Ile	Ala	Gln	Val	Ser	His	His	Leu	Thr	Asn	Phe	Tyr	Gly	Pro	Ala	Thr	
65					70					75	•	•			80	
													•			
Gly	Leu	Leu	Phe	Gly	Phe	Thr	Tyr	Leu	Tyr	Ala	Ala	Ile	Asn	His	Thr	•
				85				•	90					95		
Dha	a1	T	3			_	_								•	
Pne	GIY	ьeu	Asp	Trp	Arg	Pro	Tyr		Trp	Tyr	Ser	Leu	Phe	Val	Ala	
			100					105					110			
Tle	Asn	Thr	Tle	Dro	Δ1 a	λl a	Tlo	Ton	Com	TT -	т	~	_		_	
		115	110	110	Ala	viq	120	ьец	ser	HIS	ıyr		Asp	Met	Leu	
							. 120					125				
Asp	Asp	His	Lys	Val	Leu	Glv	Ile	Thr	Glu	Glv	Aen	תייי	Trace	Δ 7 ~	71~	•
-	130		-			135				1	140	P	TTP	vrq	TIG	
Ile	Trp	Leu	Ala	Trp	Gly	Val	Leu	Trp	Leu	Thr	Ala	Phe	Ile	Glu	Asn	
145					150					155					160	

Ile Leu Lys Ile Pro Leu Gly Lys Phe Thr Pro Trp Leu Ala Ile Ile 165 170 175

Glu Gly Ile Leu Thr Ala Trp Ile Pro Ala Trp Leu Leu Phe Ile Gln 180 185 190

His Trp Val

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Asn Tyr Phe Val Gly Gly Asp Ser Pro Leu Cys Val Met Trp Ser Leu 35 40 45

Ser Ser Tyr Ser Thr Phe His Pro Thr Pro Pro Ala Thr Gly Pro Glu
50 55 60

Asp Val Ala Gln Val Ser Gln His Leu Ile Asn Phe Tyr Gly Pro Ala 65 70 75 80

Thr Gly Leu Leu Phe Gly Phe Thr Tyr Leu Tyr Ala Ala Ile Asn Asn 85 90 95

Thr Phe Asn Leu Asp Trp Lys Pro Tyr Gly Trp Tyr Cys Leu Phe Val

Thr Ile Asn Thr Ile Pro Ala Ala Ile Leu Ser His Tyr Ser Asp Ala
115 120 125

Leu Asp Asp His Arg Leu Leu Gly Ile Thr Glu Gly Asp Trp Trp Ala 130 135 140

Phe Ile Trp Leu Ala Trp Gly Val Leu Trp Leu Thr Gly Trp Ile Glu 145 150 155 160

Cys Ala Leu Gly Lys Ser Leu Gly Lys Phe Val Pro Trp Leu Ala Ile 165 170 175

Val Glu Gly Val Ile Thr Ala Trp Ile Pro Ala Trp Leu Leu Phe Ile 180 185 190

Gln His Trp Ser 195

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<212> PRT

<213> Lactobacillus fermentum

<400> 12

Ile Leu Trp Leu Thr Gly Phe Leu Thr Asn Asn Leu Lys Met Asn Leu

1 5 10 15

Gly Lys Phe Pro Gly Tyr Leu Gly Ile Ile Glu Gly Ile Cys Thr Ala 20 25 30

Trp Ile Pro Gly Phe Leu Met Leu Leu Asn Tyr Trp Pro Asn 35 40 45

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<212> PRT

<213> Streptococcus salivarius

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1 5 10 15

Ala Glu Trp Phe Tyr Gly Ser Ala Thr Gly Leu Leu Phe Ala Phe Thr 20 25 30

Tyr Leu Tyr Ser Ala Ile Asn Thr Ile Phe Asp Phe Asp Gln Arg Leu 35 40 45

Tyr Gly Trp Phe Ser Leu Phe Val Ala Ile Asn Thr Leu Pro Ala Gly
50 55 60

Ile Leu Cys Leu Thr Ser Gly Tyr Gly Gly Asn Ala Trp Tyr Gly Ile
65 70 75 80

Ile Trp Phe Leu Trp Gly Ile Leu Trp Leu Thr Ala Phe Ile Glu Ile
85 90 95

Asn Leu Lys Lys Asn Leu Gly Lys Phe Val Pro Tyr Leu Ala Ile Phe 100 105 110

Glu Gly Ile Val Thr Ala Trp Ile Pro Gly Leu Leu Met Leu Trp Gly
115 120 125

Lys

<210> 14

<211> 213

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<213> Myco. smegmatis

<400> 14

Met Gly Gly Val Gly Leu Phe Tyr Val Gly Ala Val Leu Ile Ile Asp 1 5 10 15

Gly Leu Met Leu Gly Arg Ile Ser Pro Arg Gly Ala Thr Pro Leu 20 25 30

Asn Phe Phe Val Gly Gly Leu Gln Val Val Thr Pro Thr Val Leu Ile 35 40 45 Leu Gln Ser Gly Gly Asp Ala Ala Val Ile Phe Ala Ala Ser Gly Leu
50 55 60

Tyr Leu Phe Gly Phe Thr Tyr Leu Trp Val Ala Ile Asn Asn Val Thr
65 70 75 80

Asp Trp Asp Gly Glu Gly Leu Gly Trp Phe Ser Leu Phe Val Ala Ile 85 90 95

Ala Ala Leu Gly Tyr Ser Trp His Ala Phe Thr Ala Glu Ala Asp Pro 100 105 110

Ala Phe Gly Val Ile Trp Leu Leu Trp Ala Val Leu Trp Phe Met Leu 115 120 125

Phe Leu Leu Gly Leu Gly His Asp Ala Leu Gly Pro Ala Val Gly
130 135 140

Phe Val Ala Val Ala Glu Gly Val Ile Thr Ala Ala Val Pro Ala Phe 145 150 155 160

Leu Ile Val Ser Gly Asn Trp Glu Thr Gly Pro Leu Pro Ala Ala Val 165 170 175

Ile Ala Val Ile Gly Phe Ala Ala Val Val Leu Ala Tyr Pro Ile Gly
180 185 190

Arg Arg Leu Ala Ala Pro Ser Val Thr Asn Pro Pro Pro Ala Ala Leu 195 200 205

Ala Ala Thr Thr Arg 210

<210> 15

<211> 206

<212> PRT

<213> Rhodococcus sp.

<400> 15

Met Gly Ser Val Gly Leu Leu Tyr Val Gly Ala Val Leu Phe Val Asn 1 5 10 15

Gly Leu Met Leu Gly Thr Val Pro Val Arg Ser Ala Ser Val Leu
20 25 30

Asn Leu Phe Val Gly Ala Leu Gln Cys Val Val Pro Thr Val Met Leu 35 40 45

Ile Gln Ala Gln Gly Asp Ser Ser Ala Val Leu Ala Ala Ser Gly Leu 50 55 60

Tyr Leu Phe Gly Phe Thr Tyr Leu Tyr Val Gly Ile Ser Asn Leu Ala 65 70 75 80

Gly Phe Glu Pro Glu Gly Ile Gly Trp Phe Ser Leu Phe Val Ala Cys 85 90 95

Ala Ala Leu Val Tyr Ser Phe Leu Ser Phe Thr Val Ser Asn Asp Pro 100 105 110 Val Phe Gly Val Ile Trp Leu Ala Trp Ala Ala Leu Trp Thr Leu Phe 115 120 125

Phe Leu Val Leu Gly Leu Gly Arg Glu Asn Leu Ser Arg Phe Thr Gly 130 135 140

Trp Ala Ala Ile Leu Leu Ser Gln Pro Thr Cys Thr Val Pro Ala Phe 145 150 155 160

Leu Ile Leu Thr Gly Asn Phe His Thr Thr Pro Ala Val Ala Ala Gly
165 170 175

Trp Ala Gly Ala Leu Leu Val Leu Leu Gly Leu Ala Lys Ile Leu Ala 180 185 190

Ala Pro Lys Ala Ala Val Pro Gln Pro Arg Pro Val Phe Asn 195 200 205

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<211> 171

<212> PRT

<213> P. aeruginosa

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Met Leu Gly Leu Val Leu Leu Tyr Val Gly Ala Val Leu Phe Leu Asn 1 5 10 15

Ala Val Trp Leu Leu Gly Lys Ile Ser Gly Arg Glu Val Ala Val Ile 20 25 30

Asn Phe Leu Val Gly Val Leu Ser Ala Cys Val Ala Phe Tyr Leu Ile 35 40 45

Phe Ser Ala Ala Gly Gln Gly Ser Leu Lys Ala Gly Ala Leu Thr 50 55 60

Leu Leu Phe Ala Phe Thr Tyr Leu Trp Val Ala Ala Asn Gln Phe Leu 65 70 75 80

Glu Val Asp Gly Lys Gly Leu Gly Trp Phe Cys Leu Phe Val Ser Leu 85 90 95

Thr Ala Cys Thr Val Ala Ile Glu Ser Phe Ala Gly Ala Ser Gly Pro 100 105 110

Phe Gly Leu Trp Asn Ala Val Asn Trp Thr Val Trp Ala Leu Leu Trp
115 120 125

Phe Cys Phe Phe Leu Leu Gly Leu Ser Arg Gly Ile Gln Lys Pro 130 135 140

Val Ala Tyr Leu Thr Leu Ala Ser Ala Ile Phe Thr Ala Trp Leu Pro 145 150 155 160

Gly Leu Leu Leu Gly Gln Val Leu Lys Ala 165 170